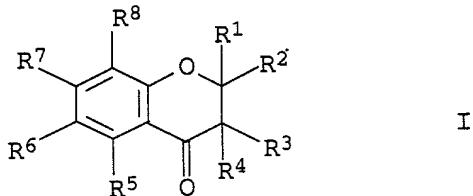


Claims

1. A composition for inhibiting COX-2 biosynthesis or COX-2- and
 5 NF κ B-biosynthesis comprising a therapeutically effective amount of the compound of formula I

10



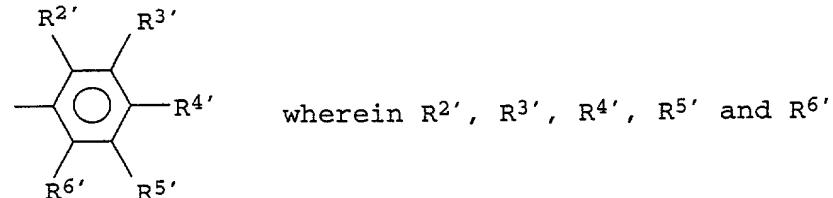
15

wherein R¹ and R⁴ represent either Hydrogen or together a bond

20

R⁵, R⁶, R⁷, R⁸ represent independently of each other Hydrogen, Hydroxy or Methoxy; in addition R⁷ represents a sugar substituent like glucoside, rutinosid, manno gluco pyransyl, aprosylglucoside

25



30

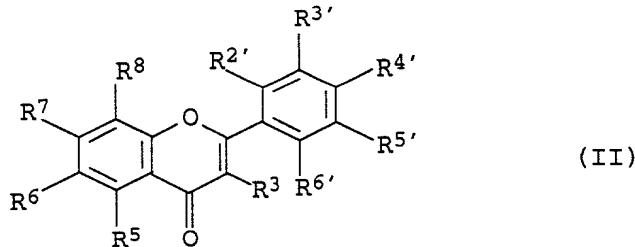
are independently or each other Hydrogen, Hydroxy or Methoxy with the proviso, that R² or R³ is represented by the optionally substituted Phenylring and a pharmaceutically acceptable carrier.

35

2. A composition for inhibiting COX-2 biosynthesis or NF κ B-biosynthesis or NF κ B and COX-2 biosynthesis comprising a therapeutically effective amount of the compound of formula II.

40

45



22

wherein R³ represents Hydrogen, Hydroxy or Methoxy and R⁵, R⁶, R⁷, R⁸, R^{2'}, R^{3'}, R^{4'}, R^{5'}, R^{6'} are as given in claim 1 and a pharmaceutical acceptable carrier.

- 5 3. A method for inhibiting COX-2 biosynthesis or COX-2 bio-synthesis and NFκB biosynthesis comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound of claim 1.
- 10 4. A method for inhibiting COX-2 biosynthesis or NFκB bio-synthesis or COX-2 biosynthesis and NFκB biosynthesis comprising administering to a patient in need of such treatment a therapeutically effective amount of a compound of claim 2.
- 15 5. A method for treating inflammation, rheumatoid arthritis, osteoarthritis, comprising administering to a therapeutically effective amount of a compound of claim 1.
6. A method for treating pain, fever, inflammation, rheumatoid arthritis, osteoarthritis, adhesions, cardiovascular diseases, Alzheimer's disease, sepsis, diabetes, comprising administering to a therapeutically effective amount of compound of claim 2.
- 20 25 7. A method for prevention of inflammation, rheumatoid arthritis, osteoarthritis comprising administering of an effective amount of a compound of claim 2 as an oral composition or as nutrient preparation.
- 30 8. Food enriched with a compound of claim 1.
9. Food enriched with a compound of claim 2.
10. Food enriched with flavone.
- 35 11. Nutritional substance comprising a compound of claim 2.
12. Nutritional substance comprising flavone.

40

45